



**Re: (1 of 2) Literature on Mini Frac Tests**

Dmitriy Silin to: Michele Dermer

Cc: George Robin

Please respond to DSilin

06/22/2010 07:25 PM

History: This message has been replied to.

Hi Ms Dermer,

Would a telephone call at 3PM be convenient for you?  
I will try to call you but just in case, my number is

Personal privacy  
Ex. (b)(6)

I am sorry for the late reply: I took just one day off, it took the entire day to catch up.

Dmitriy

Dermer.Michele@epamail.epa.gov wrote:

> Hello Dr. Silin,

>

> I would very much appreciate a conversation with you on Wednesday this  
> week. I will be out of the office in the morning, but available in  
> the afternoon, anytime from 1:30 on. Please let me know what time  
> would work for you.

>

> George is correct that we are trying to move this permit along so I  
> would appreciate it if you are able to talk with me this week, even  
> though George will be out for a very sad occurrence. But you and I  
> can bring him up to speed when he returns.

>

> As far as the invoicing goes, I am the project officer and all i am  
> getting is a dollar amount spent with no idea what was done - we can  
> discuss this a bit when we talk this week, but I would also like to  
> bring George into the discussion since he is in regular contact with  
> you.

>

> Sincerely yours,

>

> Michele Dermer

>

> Michele Dermer

> Environmental Engineer, Underground Injection Control

> Water Division, Mail Code WTR-9

> U.S. Environmental Protection Agency, Region 9

> 75 Hawthorne Street

> San Francisco, CA 94105-3901

> office (415) 972-3417

> fax (415) 947-3545 (include name and mail code)

>

>

>

> From: Dmitriy Silin <dsilin@lbl.gov>

> To: George Robin/R9/USEPA/US@EPA

> Cc: dsilin@lbl.gov, Michele Dermer/R9/USEPA/US@EPA

> Date: 06/18/2010 11:36 AM

> Subject: Re: (1 of 2) Literature on Mini Frac Tests

>  
>  
> -----  
>  
>  
>  
> Hi George,  
>  
> Thank you for forwarding the papers. I was at the Goldschmidt  
> conference. The hotel had a problem with internet connection. I found  
> that fixing the router is not a process, but it is a state.  
>  
> In short, SRT provides an estimate of the FPP by testing the entire  
> interval. I would expect MFT to give better vertical resolution; that  
> is, may locate the layer of the most likely fracture opening. I will  
> have a look at the papers to see how good this vertical resolution could  
> be. I do not see a conflict between running MFT and SRT. I was involved  
> in one MFT evaluation, the data came from SLB, though. I do not know  
> yet how different the SLB's approach is from the Shell's one.  
>  
> I will check the papers to have a more intelligent assessment.  
> I will be out of town Monday, and will get back to work on Tuesday.  
> Would it be good time to call you on Wednesday?  
>  
> Dmitriy  
>  
>  
>  
> Robin.George@epamail.epa.gov wrote:  
> > Hi Dmitriy,  
> >  
> > These attached papers came from Shell Oil (actually their affiliate  
> > C6) as supporting information to their request that they run a "Mini  
> > Frac" test (MFT) in advance of the required Step Rate test (SRT). In  
> > our latest discussion, their engineers had difficulty describing what  
> > a MFT was and why it is of advantage over the SRT.  
> >  
> > One point the Shell folks make about the advantage of running a MFT is  
> > that they can measure, observe the fracture closure. Our response was  
> > that the SRT requirements include observing the ISIP (instantaneous  
> > shut-in pressure). But they were inclined to say that the ISIP from  
> > the MFT is .... of better quality or provides better information, etc.  
> > These papers allude to what they were trying to convey, however our  
> > SRT requirements seem to include the aspects of the MFT (the papers  
> > assume that an SRT does not observe the ISIP nor the falloff data).  
> >  
> > Aside from semantics, there may be no problem in running both MFT and  
> > SRT - do you agree?  
> >  
> > Next email is the description of how they plan to conduct the MFT.  
> >  
> > Michele and I will arrange to have a discussion with you as soon as  
> > you let us know your availability.  
> >  
> > George  
> > 415-972-3532  
> >  
> >  
> > ----- Forwarded by George Robin/R9/USEPA/US on 06/16/2010 03:52 PM -----  
> > From: Michele Dermer/R9/USEPA/US